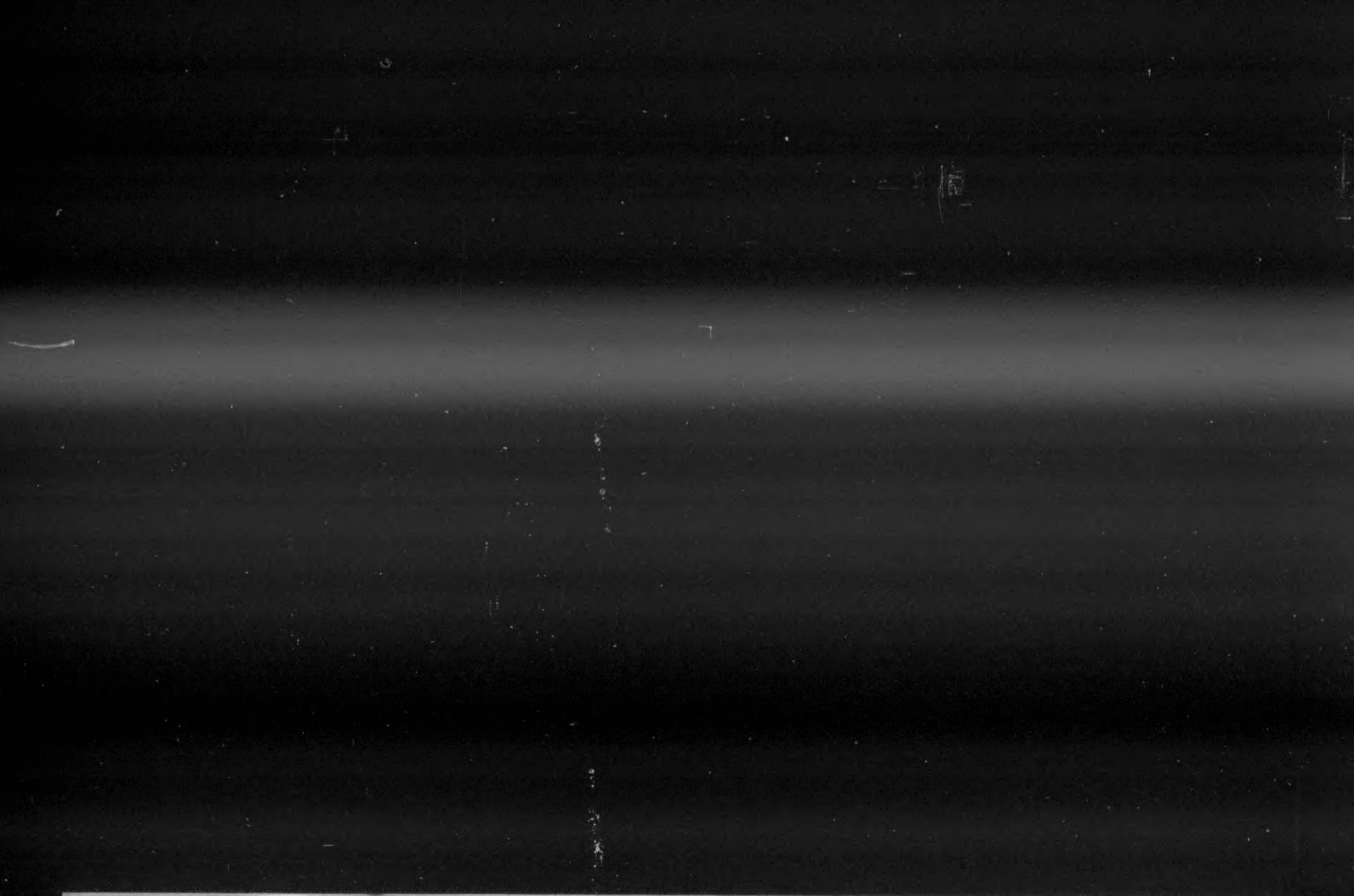
ANNALS OF MATHEMATICS
Vol. 172, Nos. 1, 2 and 3
2010

INDEX

AIZENBUD, A., GOUREVITCH, D., RALLIS, S. and SCHIFFMANN, G. Multiplicity one theorems 1407–1434
BELIAEV, D. and SMIRNOV, S. Random conformal snowflakes 597–615
BELOLIPETSKY, M., GELANDER, T., LUBOTZKY, A. and SHALEV, A. Counting arithmetic lattices and surfaces 2197–2221
BERNSTEIN, J. and REZNIKOV, A. Subconvexity bounds for triple L-functions and representation theory 1679–1718
BHARGAVA, M. The density of discriminants of quintic rings and fields 1559–1591
BOUW, I. I. and MÖLLER, M. Teichmüller curves, triangle groups, and Lyapunov exponents 139–185
BRISKIN, M., ROYTVARF, N. and YOMDIN, Y. Center conditions at infinity for Abel differential equations 437–483
BRUINIER, J. and ONO, K. Heegner divisors, L-functions and harmonic weak Maass forms 2135–2181
BURGER, M., IOZZI, A. and WIENHARD, A. Surface group representations with maximal Toledo invariant 517–566
CHATTERJEE, S., PELED, R., PERES, Y. and ROMIK, D. Gravitational allocation to Poisson points 617–671
COLLIN, P. and ROSENBERG, H. Construction of harmonic diffeomorphisms and minimal graphs 1879–1906
CONTRERAS, G. Geodesic flows with positive topological entropy, twist maps and hyperbolicity 761–808
CROVISIER, S. Birth of homoclinic intersections: a model for the central dynamics of partially hyperbolic systems 1641–1677
DAMJANOVIĆ, D. and KATOK, A. Local rigidity of partially hyperbolic actions I. KAM method and $\mathbb{Z}^k$ actions on the torus 1805–1858
DOKCHITSER, T. and DOKCHITSER, V. On the Birch-Swinnerton-Dyer quotients modulo squares 567–596
DOKCHITSER, V. *See* Dokchitser and Dokchitser.
ELIASSON, L. H. and KUKSIN, S. B. KAM for the nonlinear Schrödinger equation 371–435

ERDŐS, L., SCHLEIN, B. and YAU, H.-T. Derivation of the Gross-Pitaevskii equation for the dynamics of Bose-Einstein condensate 291–370
FOUVRY, É. and KLÜNERS, J. On the negative Pell equation 2035–2104
GEISSER, T. Duality via cycle complexes 1095–1126
GELANDER, T. *See* Belolipetsky, Gelander, Lubotzky and Shalev.
GINZBURG, V. The Conley conjecture 1127–1180
GOLDBRING, I. Hilbert's fifth problem for local groups 1269–1314
GOUREVITCH, D. *See* Aizenbud, Gourevitch, Rallis and Schiffmann.
GURALNICK, R. M., ROSENBERG, J. and ZIEVE, M. E. A new family of exceptional polynomials in characteristic two 1361–1390
GURALNICK, R. M. and ZIEVE, M. E. Polynomials with PSL(2) monodromy 1315–1359
HIDA, H. The Iwasawa μ-invariant of p-adic Hecke L-functions 41–137
HOLOWINSKY, R. Sieving for mass equidistribution 1499–1516
HOLOWINSKY, R. and SOUNDARARAJAN, K. Mass equidistribution for Hecke eigenforms 1517–1528
IOZZI, A. *See* Burger, Iozzi and Wienhard.
KATOK, A. *See* Damjanović and Katok.
KIM, M. p-adic L-functions and Selmer varieties associated to elliptic curves with complex multiplication 751–759
KLÜNERS, J. *See* Fouvry and Klüners.
KOVÁCS, S. J. and LIEBLICH, M. Boundedness of families of canonically polarized manifolds: A higher dimensional analogue of Shafarevich's conjecture 1719–1748
KRICHEVER, I. Characterizing Jacobians via trisecants of the Kummer variety 485–516
KUKSIN, S. B. *See* Eliasson and Kuksin.
LAURET, J. Einstein solvmanifolds are standard 1859–1877
LAZA, R. The moduli space of cubic fourfolds via the period map 673–711
LEE, Y.-P., LIN, H.-W. and WANG, C.-L. Flops, motives, and invariance of quantum rings 243–290
LEWIS, J. and NYSTRÖM, K. Boundary behavior and the Martin boundary problem for p harmonic functions in Lipschitz domains 1907–1948
LIEBLICH, M. *See* Kovács and Lieblich.
LIN, C.-S. and WANG, C.-L. Elliptic functions, Green functions and the mean field equations on tori 911–954
LIN, H.-W. *See* Lee, Lin, and Wang.
LUBOTZKY, A. *See* Belolipetsky, Gelander, Lubotzky and Shalev.

LUDWIG, M. and REITZNER, M. A classification of SL(n) invariant valuations 1219–1267
MÖLLER, M. *See* Bouw and Möller.
MARKLOF, J. and STRÖMBERGSSON, A. The distribution of free path lengths in the periodic Lorentz gas and related lattice point problems 1949–2033
MUKAI, S. Curves and symmetric spaces, II 1539–1558
NYSTRÖM, K. *See* Lewis and Nyström.
ONO, K. *See* Bruinier and Ono.
OSIN, D. Small cancellations over relatively hyperbolic groups and embedding theorems 1–39
OVERSTEEGEN, L. G. and TYMCHATYN, E. D. Extending isotopies of planar continua 2105–2133
OZAWA, N. and POPA, S. On a class of II_1 factors with at most one Cartan subalgebra 713–749
PARIMALA, R. and SURESH, V. The u-invariant of the function fields of p-adic curves 1391–1405
PELED, R. *See* Chatterjee, Peled, Peres and Romik.
PERES, Y. *See* Chatterjee, Peled, Peres and Romik.
POP, F. Henselian implies large 2183–2195
POPA, S. *See* Ozawa and Popa.
RALLIS, S. *See* Aizenbud, Gourevitch, Rallis and Schiffmann.
REITZNER, M. *See* Ludwig and Reitzner.
REZNIKOV, A. *See* Bernstein and Reznikov.
RODNIANSKI, I. and STERBENZ, J. On the formation of singularities in the critical $O(3)$ σ-model 187–242
ROMIK, D. *See* Chatterjee, Peled, Peres and Romik.
ROSENBERG, H. *See* Collin and Rosenberg.
ROSENBERG, J. *See* Guralnick, Rosenberg and Zieve.
ROYTVARF, N. *See* Briskin, Roytvarf and Yomdin.
SAITO, S., SATO, K. and JANNSEN, U. A finiteness theorem for zero-cycles over p-adic fields 1593–1639
SATO, K. *See* Saito, Sato and Jannsen.
SCHIFFMANN, G. *See* Aizenbud, Gourevitch, Rallis and Schiffmann.
SCHLEIN, B. *See* Erdős, Schlein and Yau.
SHALEV, A. *See* Belolipetsky, Gelander, Lubotzky and Shalev.
SMIRNOV, S. *See* Beliaev and Smirnov.
SMIRNOV, S. Conformal invariance in random cluster models. I. Holmorphic fermions in the Ising model 1435–1467
SODIN, S. The spectral edge of some random band matrices 2223–2251

SOUNDARARAJAN, K. Weak subconvexity for central values of L-functions 1469–1498
SOUNDARARAJAN, K. *See* Holowinsky and Soundararajan.
SOUNDARARAJAN, K. Quantum unique ergodicity for $\mathrm{SL}_2(\mathbb{Z})\backslash\mathbb{H}$ 1529–1538
STERBENZ, J. *See* Rodnianski and Sterbenz.
STRÖMBERGSSON, A. *See* Marklof and Strömbergsson.
SURESH, V. *See* Parimala and Suresh.
TELEMAN, A. Instantons and curves on class VII surfaces 1749–1804
TIAN, Y. Canonical subgroups of Barsotti-Tate groups 955–988
TYMCHATYN, E. D. *See* Oversteegen and Tymchatyn.
VENKATESH, A. Sparse equidistribution problems, period bounds and subconvexity 989–1094
VIEHWEG, E. Compactifications of smooth families and of moduli spaces of polarized manifolds 809–910
VOLL, C. Functional equations for zeta functions of groups and rings 1181–1218
WANG, C.-L. *See* Lee, Lin and Wang.
WANG, C.-L. *See* Lin and Wang.
WIENHARD, A. *See* Burger, Iozzi and Wienhard.
YAU, H.-T. *See* Erdős, Schlein and Yau.
YOMDIN, Y. *See* Briskin, Roytvarf and Yomdin.
ZIEVE, M. E. *See* Guralnick, Rosenberg and Zieve.
ZIEVE, M. E. *See* Guralnick and Zieve.